



<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Atty Docket No. CYTOP002D1	Application No.: 10/082,036
	Applicant: Kathleen A. Elias	
	Filing Date February 20, 2002	Group 1631

#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
<i>JB</i>	1	4,818,710	04/04/1989	Sutherland et al.			
<i>JB</i>	2	4,922,092	05/01/1990	Rushbrooke et al.			
<i>JB</i>	3	5,287,272	02/15/1994	Rutenberg et al.			
<i>JB</i>	4	5,526,258	06/11/1996	Bacus			
<i>JB</i>	5	5,733,721	03/31/1998	Hemstreet, III et al.			
<i>JB</i>	6	5,893,095	04/06/1999	Jain et al.			
<i>JB</i>	7	6,083,763	07/04/2000	Balch			
<i>JB</i>	8	6,345,115	02/05/2002	Ramm et al.			
<i>JB</i>	9	RE 34,214	04/06/1993	Carlsson et al.			

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	Translation No
<i>JB</i>	10	WO 9522749	24 AUG 95	PCT/WIPO			Y	
<i>JB</i>	11	EP 0317139	24 MAY 89	EPO			Y	

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
<i>JB</i>	12	Sunblad et al., "The use of image analysis and automation for measuring mitotic index in apical conifer meristems", © Oxford University Press 1998, Journal of Experimental Botany, Vol. 49, No. 327, pp. 1749-56

Examiner <i>JB, Bruner</i>	Date Considered 14 October 2003
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Examiner/initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
JLB	A	5,162,990	Nov 1992	Odeyale et al.			
	B						
	G						
	H						
	I						

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation
JLB	J	WO 98/52018	Nov 1998	PCT			Yes No
	K						
	L						
	M						
	N						

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
JLB	O	ANCIN, Hakan et al., "Advances in Automated 3-D Image Analysis of Cell Populations Imaged by Confocal Microscopy", 1996, Cytometry, Vol. 25, pp. 221-234.
JLB	P	MALPICA, Norberto et al., "Applying Watershed Algorithms to the Segmentation of Clustered Nuclei", 1997, Cytometry, Vol. 28, pp. 289-297.
JLB	Q	NILSSON, Björn et al., "Segmentation of Dense Leukocyte Clusters", 2001, IEEE Workshop on Mathematical Methods in Biomedical Image Analysis, Kauai, Hawaii, pp. 221-227.
Examiner	Date Considered	
JLB	14 October 2003	

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### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
<i>JPB</i>	1	6,146,830	11/14/2000	Friend et al.			
<i>JPB</i>	2	6,222,093	04/24/2001	Marton et al.			

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### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
<i>JPB</i>	3	WO 94/11841	05/26/1994	PCT			X	
<i>JPB</i>	4	WO 00/70528 A2	11/23/2000	WIPO			X	

### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	5	Cseke, I., "A Fast Segmentation Scheme for White Blood Cell Images" (1992) IEEE, pp. 530-533 <i>no copy provided in 09/14/02</i>
	6	Serbouti, S., et al., "Image Segmentation and Classification Methods to Detect Leukemias", (1991) Annual Int'l Conf. of IEEE Eng. in Medicine & Biology Soc., Vol. 13, No. 1, pp. 0260-0261 <i>no copy provided in 09/14/02</i>
Examiner	Date Considered	
<i>JPB. Bruneau</i>	<i>14 October 2003</i>	

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#### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
JB	A	5,326,691	07/05/94	Hozier			
JB	B	5,355,215	10/11/94	Schroeder et al.			

#### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation Yes	Translation No
JB	C	93/21511	28.10.93	PCT				
JB	D	94/11841	26.05.94	PCT				
JB	E	96/09605	28.03.96	PCT				
JB	F	97/43732	20.11.97	PCT				
JB	G	99/05323	04.02.99	PCT				
JB	H	00/70528	23/11/00	PCT				

#### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
JB	I	Adams et al., "Cell patterning on glass and polymeric substrates" US Patent Application No. 60/138,119, filed June 7, 1999
JB	J	Kapur et al., "Design and Fabrication of Spatially Controlled Miniaturized Organ Systems from Stem Cells", US Patent Application No. 60/127,339, filed April 1, 1999
JB	K	Hofland et al., "Role of Tumor-Derived Fibroblasts in the Growth of Primary Cultures of Human Breast-Cancer Cells: Effects of Epidermal Growth Factor and the Somatostatin Analogue Octreotide", 1995, Int. J. Cancer: 60, 93-99.
JB	L	Stearns et al., "Interleukin 10 (IL-10) inhibition of primary human prostate cell-induced angiogenesis: IL-10 stimulation of tissue inhibitor of metalloproteinase-1 and inhibition of matrix metalloproteinase (MMP) 2/MMP-9 Secretion", January 1999, Clinical Cancer Research, vol. 5 189-196.
JB	M	Takayama et al., "Patterning cells and their environments using multiple laminar fluid flows in capillary networks", May 1999, Proc. Natl. Acad. Sci. USA, vol. 96, pp. 5545-5548.
Examiner	Date Considered	
JB. Bures	14 October 2003	

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<b>Form 1449 (Modified)</b>	<b>Atty Docket No.</b> CYTOP002D1	<b>Application No.:</b> NEW
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<b>(Use Several Sheets if Necessary)</b>	<b>Filing Date</b> HEREWITH	

B4	WO 99/17116	04/08/99	PCT		X
B5	WO 99/54494	10/28/99	PCT		X
B6	WO 98/05959	02/12/98	PCT		X
B7	WO 00/33250	06/08/00	PCT		X
B8	WO 00/03246	01/20/00	PCT		X
B9	WO 00/17624	03/30/00	PCT		X
B10	WO 00/17643	03/30/00	PCT		X
B11	WO 00/50872	08/31/00	PCT		X
B12	WO 00/60356	10/12/00	PCT		X
B13	WO 97/45730	12/04/97	PCT		X
B14	WO 98/38490	09/03/98	PCT		X
B15	WO 97/20198	06/05/97	PCT		X
B16	WO 98/44333	10/08/98	PCT		X
B17	WO 99/44062	09/02/99	PCT		X
B18	EP 0468705	01/29/92	EP		X
B19	EP0902394	03/17/99	EP		X
B20	WO 00/06774	02/10/00	PCT		X
B21	WO 00/17808	03/30/00	PCT		X
B22	WO 00/26408	05/11/00	PCT		X
B23	WO 00/31534	06/02/00	PCT		X
B24	WO 95/10036	04/13/95	PCT		X
B25	WO 99/67739	12/29/99	PCT		X
B26	WO 87/02802	05/07/87	PCT		X
B27	WO 99/08091	02/18/99	PCT		X
B28	WO 00/49540	08/24/00	PCT		X
B29	WO 00/43820	07/27/00	PCT		X
B30	WO 96/01438	01/18/96	PCT		X
B31	WO 98/35256	08/13/98	PCT		X
B32	WO 97/40055	10/30/97	PCT		X
B33	WO 99/39184	08/05/99	PCT		X
B34	EP0902394A1	03/17/99	EP		X

*Ms. Guare 14 October 2003*

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**Other Documents**

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
<i>JB</i>	C1	Printout from Q3DM Website ( <a href="http://www.Q3DM.com">www.Q3DM.com</a> ), printed on March 1, 2001, 30 Pages.
<i>JB</i>	C2	Montironi R., et al., "Computed Cell Cycle and DNA Histogram Analyses in Image Cytometry in Breast Cancer", Journal of Clinical Pathology, GB, London, Vol. 46, No. 9, September 1993, Pages 795-800.
<i>JB</i>	C3	Giuliano K.A., et al., "Fluorescent-Protein Biosensors: New Tools for Drug Discovery", Trends in Biotechnology, GB, Elsevier Publications, Cambridge, Vol. 16, No. 3, March 1998, Pages 135-140.
<i>JB</i>	C4	Printout from Automated Cell Website ( <a href="http://www.automatedcell.com">www.automatedcell.com</a> ) printed on March 9, 2001, 24 Pages.
<i>JB</i>	C5	Ravi Kapur, et al., "Design and Fabrication of Spatially Controlled Miniaturized Organ Systems From Stem Cells", U.S. Provisional Patent Application No.: 60/127,339, Filed April 1, 1999, 21 Pages.
<i>JB</i>	C6	Giuliano et al., "High-Content Screening: A New Approach to Easing Key Bottlenecks in the Drug Discovery Process", <i>J. Biomolecular Screening</i> , 2(4): 249 (1997).
<i>JB</i>	C7	Pauwels et al., "Determination of the Mechanism of Action of Anticancer Drugs by Means of the Computer- Assisted Microscope Image Analysis of Feulgen-Stained Nuclei", <i>J. Pharmacological and Toxicological Methods</i> , 37: 105-115 (1997).
<i>JB</i>	C8	Pauwels et al., "Monitoring Of Chemotherapy-Induced Morphonuclear Modifications By Means Of Digital Cell-Image Analysis", <i>I. Cancer Res. Clin. Oncol.</i> , 119: 533-540 (1993).
<i>JB</i>	C9	Pauwels et al., "In Vitro Digital Cell Image Analysis of Morphonuclear Modifications Induced by Natural DNA- Interacting Anticancer Drugs in Three Neoplastic Cell Lines", <i>Meth. Find. Exp. Clin. Pharmacol.</i> , 17(3): 151-161 (1995).

*JK. Binner 14 October 2003*

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<i>JB</i>	C10	Pauwels et al., "The Application of Computerized Analysis of Nuclear Images and Multivariate Analysis to the Understanding of the Effects of Antineoplastic Agents and Their Mechanism of Action", <u>Meth. Find. Exp. Clin. Pharmacol.</u> , 15(2): 113-124 (1993).
<i>JB</i>	C11	Teri Adams, et al., "Cell Patterning on Glass and Polymeric Substrates", U.S. Provisional Patent Application No.: 60/127,138,119, Filed June 7, 1999, 21 Pages.
<i>Rubas</i>	C12 <i>et al.</i>	"An Integrated Method to Determine Epithelial Transport and Bioactivity of Oral Drug Candidates <i>in Vitro</i> ," <u>Pharmaceutical Research</u> , Vol. 13, No. 1, Pages 23-27, 1996
<i>JB</i>	C13	Uria JA, Stahle-Backdahl M, Seiki M, Fueyo A, Lopez-Otin C, "Regulation of Collagenase-3 Expression in Human Breast Carcinomas in Mediated by Stromal-Epithelial Cell Interactions", <u>Cancer Res</u> 1997 Nov 1;57 (21):4882-8, Abstract
<i>JB</i>	C14	Pauwels et al., "Combination of Computerized Morphonuclear and Multivariate Analyses to Characterize In Vitro the Antineoplastic Effect of Alkylating Agents", <u>J. Pharmacol. and Toxicol. Methods</u> , 33(1): 34-45 (1995).
<i>JB</i>	C15	Weinstein et al., "An Information-Intensive Approach to the Molecular Pharmacology of Cancer", <u>Science</u> , 275: 43-349 (January 17, 1997).
Examiner	<i>John B. Brown</i>	Date Considered <i>14 October 2003</i>

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